Cyanogen Bromide (CNBr) Cleavage

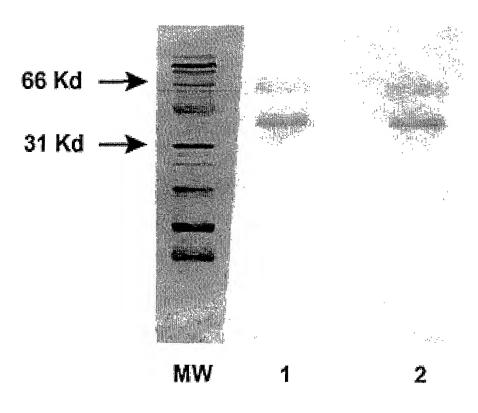
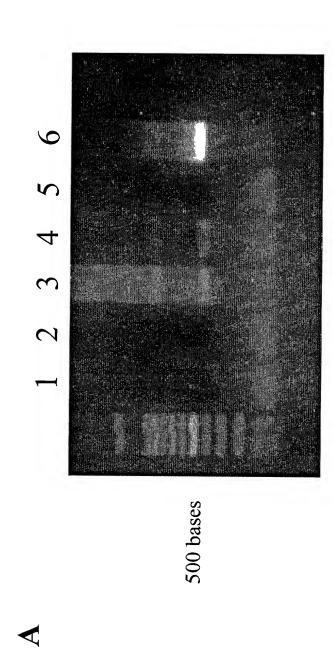
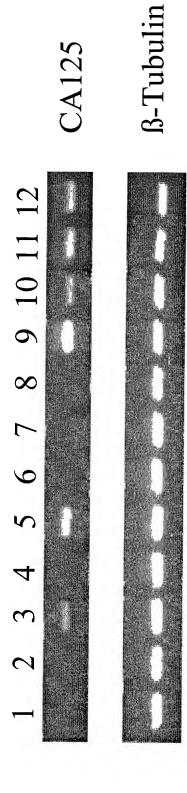


Figure 1

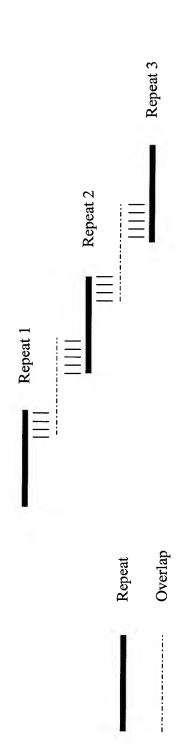




M

Figure 2

A Strategy for Placing Repeat Sequences in Contiguous Order Using Overlap Sequence Allignment



- 157 AAGPLLMPFTLNFTTINLQYEEDMRRTGSRKENTMESVLQGLLKPLFKNTSVGPLYSGCRLTLLRPEKDGAATGVDAICTHRLDPKSPCLNREQLYWELSKLTNDIEELGPYTLDRNSLYVNGFTHQSSVSTTSTPGTSTVDLRTSGTPSSLSSPTIM 1 ATVPFMVPFTLAFTITNLQYEEDMRHPGSRKFNATERELGGLLKFLFRNSSLEYLYSGCRLASIRPEKDSSAMAVDAICTHRPDPEDLGLDRERLYWELSNLTNGIQELGPYTLDRNSLYVNGFTHRSSMPTTSTPGTSTVDVGTSGTPSSSPSPT 315 AAGPLLVPFTLNFTITNLQYGEDMGHPGSRKFNTTERVLQGLLGPIFKNTSVGPLYSGCRLTSLRSEKDGAATGVDAICIHHLDPKSPGLNRERLYWELSQLTNGIKELGPYTLDRNSLYVNGFTHRTSVPTSSTPGTSTVDLGTSGTPFSLPSPA
 - 826 AAGPLLVPFTLNFTITNLQYEEDMHHPGSRKFNTTERVLQGLLGPMFKNTSVGLLYSGCRLTLLRSEKDGAATGVDAICTHRLDPKSPGVDREQLYWELSQLTNGIKELGPYTLDRNSLYNGFTHQTSAPNTSTPGTSTVDLGTSGTPSSLPSPT 471 TAGPLLVLFTLNFTITNLKYEEDMHRPGSRKFNTTERVLQTLLGPMFKNTSVGLLYSGCRLTLLRSEKDGAATGVDALCTHRLDPKSPGLDREQLYWELSQLTNGIKELGPYTLDRNSLYVNGFTHWIPVPTSSTPGTSTVDLG.SGTPSSLPSPT

156 314 470 625 781

- 156 312 468 624 780 TAVPLLVPFTLNFTINFTITNLQYGEDMRHPGSRKFNTTERVLQGLLGPLFKNSSVGPLYSGCRLISLRSEKDGAATGVDAICTHHINPQSPGLDREQLYWQLSQMTNGIKELGPYTLDRNSLYVNGFTHRSSGLTTSTPWTSTVDLGTSGTPSPVPSPT TAGPLLVPFTLNFTITNLQYEEDMHRPGSRKENATERVLQGLLSP1FKNSSVGPLYSGCRLTSLRPEKDGAATGMDAVCLYHPNPKRPGLDREQLYWELSQLTHNITELGPYSLDRDSLYVNGFTHQNSVPTTSTPGTSTVYWATTGTPSSFPGHT SAGPLLVPFTLNFTINLQYEEDMHHPGSRKENTTERVLQGLLGPMFKNTSVGLLYSGCRLTLLRPEKNGAATGNDAICSHRLDPKSPGLNREQLYWELSQLTHGIKELGPYTLDRNSLYVNGFTHRSSVAPTSTPGTSTVDLGTSGTPSSLPSPT 313 469 625

EPGPLI IPFTRNFTITNLHYBENMQHPGSRKENTTERVLQGLLKPLFKNTSVGPLYSGCRLTSLRPEKDGAATGMDAVCLYHPNPKRPGLDREQLYCELSQLTHNITELGPYSLDRDSLYVNGFTHQNSVPTTSTPGTSTPYWATTGTPSSFPGHT EPGPLLIPFTENFTITNLHYBENMQHPGSRKENTTERVLQGLLKPLFKNTSVGPLYSGCRLTLLRPEKHEAATGVDTICTHRVDPIGPGLDRERLYWELSQLTNSITELGPYTLDRDSLYVNGFNPRSSVPTTSTPGTSTVHLATSGTPSSLPGHT

- 156 312 468 624 TAGPLLVPFTLNFTITNLQYEEDMHRPGSRRFWTTERVLQGLLTPLFKNTSVGPLYSGCRLTLLRPEKQEAATGVDTICTHRVDPIGPGLDRERLYWELSQLTNSITELGPYTLDRDSLYVNGFNPWSSVPTTSTPGTSTVHLATSGTPSSLPGHT 157
 - APVPLLIPFTINFTITDLHYEENMQHDGSRKFNTTERVLQGLLKPLFKSTSVGPLYSGCRLTLLRPEKHGAATGVDAICTLRLDPTGPGLDRERLYWELSQLTNSVTELGPYTLDRDSLYVNGFTHRSSVPTTSIFGTSAYHLETSGTPASLEGHT APGPLLVPFTLNFTITNLQYEEDMRHPGSRKFSTTERVLQGLLKPLFKNTSVSSLYSGCRLTLLRPEKDGATRVDAVCTHRPDFKSPGLDRERLYWKLSQLTHGITELGPYTLDRHSLYVNGFTHQSSMTTTRTPDTSTWHLATSRTPASLSGPT TASPILVLFTINFTITNQRYBENMHHPGSRKFNTTERVLQGLLRPVFKNTSVGPLYSGCRLTLLRPKKDGAATKVDAICTYRPDPKSPGLDREQLYWELSQLTHSITELGPYTQDRDSLYVNGFTHRSSVPTTSIPGTSAVHLETSGTPASLPGHT 313
- (SEQ ID NO: 161)
- 1 ATGPVILPFTINFTITNLQYEEDMHRPGSRKFNTTERVLQGILMPLFKNTSVSLYSGCRLTLLRPEKDGAATRVDAVCTHRPDPKSPGLDRERLYWKLSQLTHGITELGPYTLDRHSLYNGFTHQSSMTTTRTPDTSTWHLATSRTPASLSGPT
 157 TASPLIVLFTINFTITNLRYEENMHHPGSRKFNTTERVLQGLLRPVFKNTSVGFLYSGCRLTLLRPKKDGAATKVDALCTYRPDPKSPGLDREQLYWELSQLTHSITELGPYTQDRDSLYNVGFTQRSSVPTTSVPGTPTVDLGTSGTPVSKFGPS
 313 AASPLIVLFTINGTTINLRYEENMQHPGSRKRNTTERVLOGILBSI-RKGRSVGBI-NSGPRI-TILDBEVLGRANN FAMILIENDAGA-TILDBEVLGRANN FAMILIENDAGA-TILDBEVLGRAN FAMILIENDAGA-TILDBEVLGRANN FAMILIENDAGA-TILDBEVLGRAN FAMILIENDAGA-TILDBEVLGRANN FAMILIENDAGA-TILDBEVLGRAN FAMILIENDAGA-TILDBEVLGRANN FAMILIENDAGA-TILDBEVLGRAN FAMILIENDAGA-TILDBEV
- AASPLIVLFTINGTIINLRYBENMQHPGSRKENTTERVLQGLIRSLFKSTSVGPLYSGCRLTILRPEKDGTATGVDAICTHHPDPKSPRLDREQLYWELSQLTHNITELGHYALDNDSLFVNGFTHRSSVSTTSTPGTPTVYLGASKTPASIFGPS

156 312 468

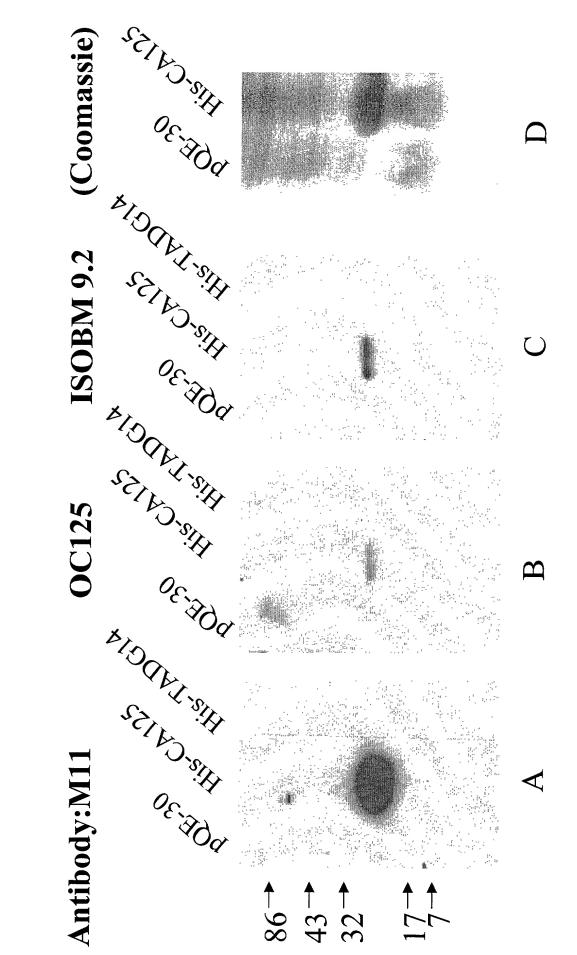
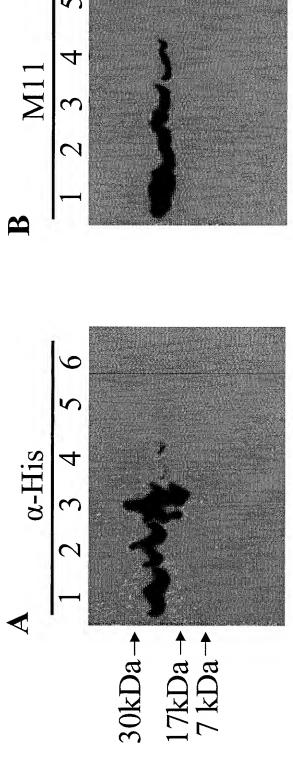
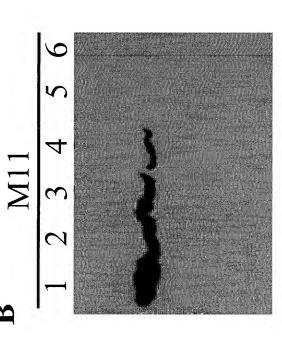


Figure 4





C- C- SVGPLYSGCR LTLLRPEKHE AATGVDTICT HRVDPIGPGL DRERLYWELS 0 0 00 PTTSTPGTST VHLATSGTPS EPGPLLIPFT FNFTITNLHY EENMQHPGSR KFNTTERVLQ GLLKPLFKNT 0 0000 QLTNSITELG PYTLDRDSLY VNGFNPRSSV 00 SLPKLT Н 51 101 151

Figure 5 (SEQ ID NO: 150)

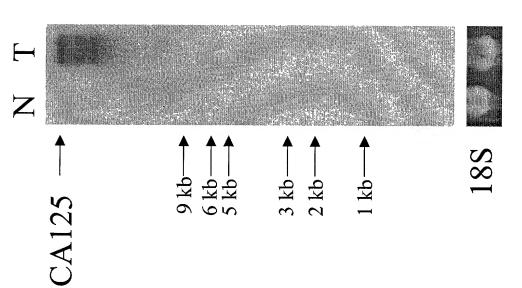


Figure 6

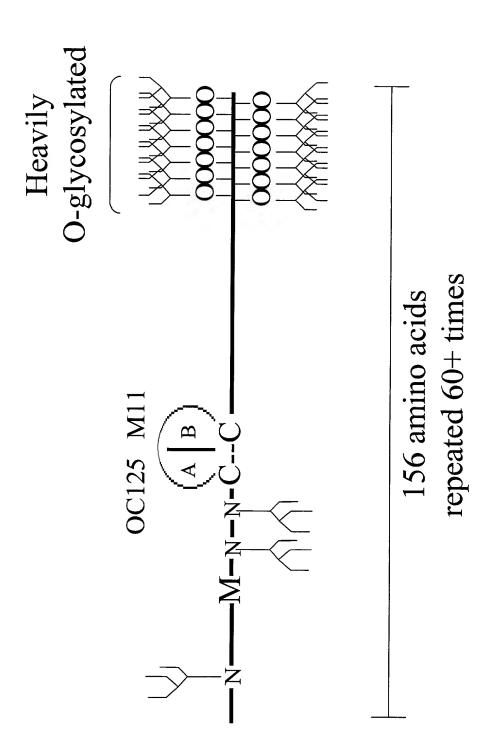


Figure 7A

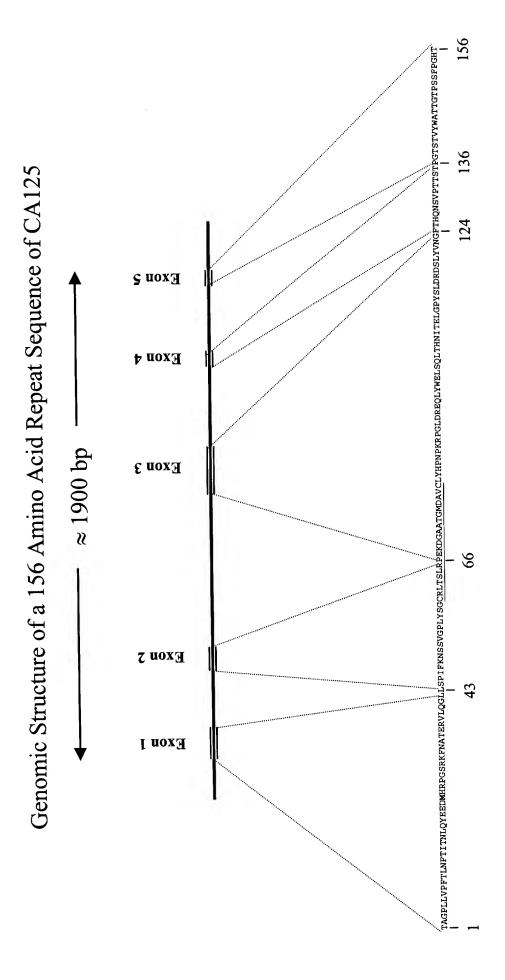


Figure 7B (SEQ ID NO: 163)

Exon 1

42 ATVPFMVPFTLNFTITNLQYEEDMRHPGSRKFNATERELOGL (SEO ID NO: 164) TAVPLLVPFTLNFTITNLQYGEDMRHPGSRKFNTTERVLQGL (SEQ ID NO: 165) VPGPLLVPFTLNFTITNLQYEEAMRHPGSRKFNTTERVLQGL (SEQ ID NO: 166) APGPLLVPFTLNFTITNLQYEEDMRHPGSRKFSTTERVLQGL (SEQ ID NO: 167) APGPLLVPFTLNFTITNLQYEEDMRHPGSRKFNTTERVLQGL (SEQ ID NO: 168) APGPLLVPFTLNFTITNLQYEVDMRHPGSRKFNTTERVLQGL (SEQ ID NO: 169) SAGPLLVPFTLNFTITNLQYEEDMRHPGSRKFNTTERVLQGL (SEQ ID NO: 170) AAGPLLMPFTLNFTITNLQYEEDMRRTGSRKFNTMESVLQGL (SEQ ID NO: 171) TASPLLVLFTINCTITNLQYEEDMRRTGSRKFNTMESVLQGL (SEQ ID NO: 172) AAGPLLVPFTLNFTITNLQYGEDMGHPGSRKFNTTERVLQGL (SEQ ID NO: 173) TAGPLLIPFTLNFTITNLQYGEDMGHPGSRKFNTTERVLQGL (SEQ ID NO: 174) TAGPLLVPFTLNFTITNLQYGEDMGHPGSRKFNTTERVLQGL (SEQ ID NO: 175) TAGPLLVLFTLNFTITNLKYEEDMHRPGSRKFNTTERVLQTL (SEQ ID NO: 176) TAGPLLVPFTLNFTITNLQYEEDMHRPGSRKFNATERVLQGL (SEQ ID NO: 177) TAGPLLVPFTLNFTITNLQYEEDMHRPGSRRFNTTERVLQGL (SEQ ID NO: 178) TAGPLLVPFTLNFTITNLQYEEDMHRPGSRKFNTTERVLQGL (SEQ ID NO: 179) APVPLLIPFTLNFTITNLQYEEDMHRPGSRKFNTTERVLQGL (SEQ ID NO: 180) ATGPVLLPFTLNFTITNLQYEEDMHRPGSRKFNTTERVLQGL (SEQ ID NO: 181) AAGPLLVPFTLNFTITNLQYEEDMHHPGSRKFNTTERVLQGL (SEQ ID NO: 182) SAGPLLVPFTLNFTITNLQYEEDMHHPGSRKFNTTERVLQGL (SEQ ID NO: 183) TASPLLVLFTINFTITNQRYEENMHHPGSRKFNTTERVLQGL (SEQ ID NO: 184) TASPLLVLFTINFTITNLRYEENMHHPGSRKFNTTERVLQGL (SEQ ID NO: 185) EPGPLLIPFTFNFTITNLHYEENMQHPGSRKFNTTERVLQGL (SEQ ID NO: 186) EPGPLLIPFTFNFTITNLRYEENMQHPGSRKFNTTERVLQGL (SEQ ID NO: 187) APVPLLIPFTLNFTITNLHYEENMQHPGSRKFNTTERVLQGL (SEQ ID NO: 188) APVPLLIPFTLNFTITDLHYEENMQHPGSRKFNTTERVLQGL (SEQ ID NO: 189) AASPLLVLFTLNGTITNLRYEENMQHPGSRKFNTTERVLQGL (SEQ ID NO: 190) TAGPLLVPFTLNFTITNLKYEEDMHCPGSRKFNTTERVLQSL (SEQ ID NO: 191) AASHLLILFTLNFTITNLRYEENMW.PGSRKFNTTERVLQGL (SEQ ID NO: 192) TGVVSEEPFTLNFTINNLRYMADMGQPGSLKFNITDNVMKHL (SEQ ID NO: 193) AMGYHLKTLTLNFTISNLQYSPDMGKGSATFNSTEGVLQHLL (SEQ ID NO: 194)

Exon 2

43 65					
LKPLFRNSSLEYLYSGCRLASLR	(SEQ	ID	NO:	195)	
LKPLFKNTSVSSLYSGCRLTLLR	(SEQ	ID	NO:	196)	
LKPLFKNTSVGPLYSGCRLTLLR	(SEQ	ID	NO:	197)	
LKPLFKSTSVGPLYSGCRLTLLR	(SEQ	ID	NO:	198)	
LKPLFKSTSVGPLYSSCRLTLLR	(SEQ	ID	NO:	199)	
LKPLFKNTSVGPLYSGCRLTSLR	(SEQ	ID	NO:	200)	
LGPIFKNTSVGPLYSGCRLTSLR	(SEQ	ID	NO:	201)	
LGPMFKNTSVGLLYSGCRLTLLR	(SEQ	ID	NO:	202)	
LGPMFKNTSVGPLYSGCRLTLLR	(SEQ	ID	NO:	203)	
LGPMFKNTSVGPLYSGCRLTSLR	(SEQ	ID	NO:	204)	
LGPLFKNSSVGPLYSGCRLISLR	(SEQ	ID	NO:	205)	
LGPLFKNSSVDPLYSGCRLTSLR	(SEQ	ID	NO:	206)	
LSPIFKNSSVGPLYSGCRLTSLR	(SEQ	ID	NO:	207)	
LSPIFKNTSVGPLYSGCRLTLLR	(SEQ	ID	NO:	208)	
LSPLFQRSSLGARYTGCRVIALR	(SEQ	ID	NO:	209)	
LRPLFKNTSVSSLYSGCRLTLLR	(SEQ	ID	NO:	210)	
LRPLFKNTSVGPLYSGSRLTLLR	(SEQ	ID	NO:	211)	
LRPLFKNTSIGPLYSSCRLTLLR	(SEQ	ID	NO:	212)	
LRPLFKSTSVGPLYSGCRLTLLR	(SEQ	ID	NO:	213)	
LRPVFKNTSVGLLYSGCRLTLLR	(SEQ	ID	NO:	214)	
LRPVFKNTSVGPLYSGCRLTLLR	(SEQ	ID	NO:	215)	
LRSLFKSTSVGPLYSGCRLTLLR	(SEQ	ID	NO:	216)	
LRSLFKSTSVGPLYSGCRLTSLR	(SEQ	ID	NO:	217)	
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LTPLFRNTSVSSLYSGCRLTLLR	(SEQ	ID	NO:	219)	
LMPLFKNTSVSSLYSGCRLTLLR	(SEQ	ID	NO:	220)	
RPLFQKSSM.GPFYLGCQLISLR	(SEQ	ID	NO:	221)	

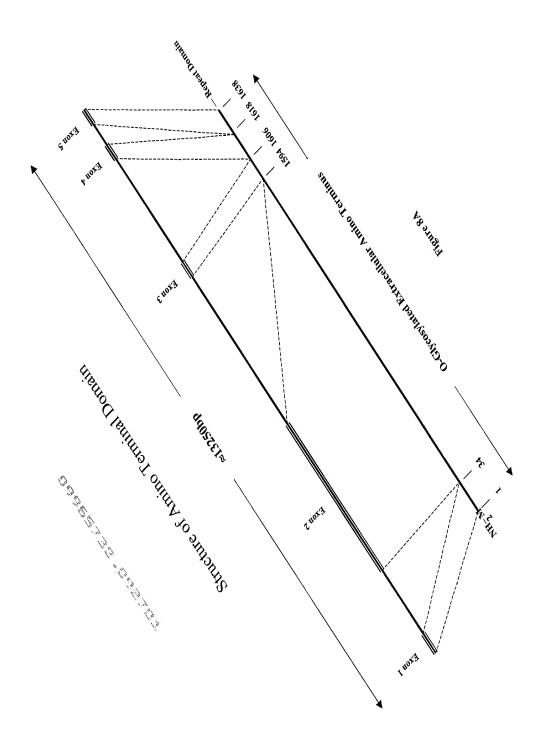
Exon 3

66

${\tt PEKDSSAMAVDAICTHRPDPEDLGLDRERLYWELSNLTNGIQELGPYTLDRNSLYVNG}$	(SEQ	ID	NO:	222)
${\tt PEKDGAATGVDAICTHRLDPKSPGLNREQLYWELSKLTNDIEELGPYTLDRNSLYVNG}$	(SEQ	ID	NO:	223)
${\tt PKKDGAATGVDAICTHRLDPKSPGLNREQLYWELSKLTNDIEELGPYTLDRNSLYVNG}$	(SEQ	ID	NO:	224)
${\tt PEKDGTATGVDAICTHPDPKSPRLDREQLYWELSQLTHNITELGHYALDNDSLFVNG}$	(SEQ	ID	NO:	225)
${\tt PEKDGEATGVDAICTHRPDPTGPGLDREQLYLELSQLTHSITELGPYTLDRDSLYVNG}$	(SEQ	ID	NO:	226)
${\tt PEKDGAATGMDAVCLYHPNPKRPGLDREQLYWELSQLTHNITELGPYSLDRDSLYVNG}$	(SEQ	ID	NO:	227)
${\tt PEKDGAATGMDAVCLYHPNPKRPGLDREQLYCELSQLTHNITELGPYSLDRDSLYVNG}$	(SEQ	ID	NO:	228)
${\tt PEKDGAATRVDAACTYRPDPKSPGLDREQLYWELSQLTHSITELGPYTLDRVSLYVNG}$	(SEQ	ID	NO:	229)
${\tt PKKDGAATKVDAICTYRPDPKSPGLDREQLYWELSQLTHSITELGPYTQDRDSLYVNG}$	(SEQ	ID	NO:	230)
${\tt PKKDGAATKVDAICTYRPDPKSPGLDREQLYWELSQLTHSITELGPYTQDRDSLYNVG}$	(SEQ	ID	NO:	231)
${\tt PEKDGAATRVDAVCTHRPDPKSPGLDRERLYWKLSQLTHGITELGPYTLDRHSLYVNG}$	(SEQ	ID	NO:	232)
${\tt PEKDGVATRVDAICTHRPDPKIPGLDRQQLYWELSQLTHSITELGPYTLDRDSLYVNG}$	(SEQ	ID	NO:	233)
${\tt SEKDGAATGVDAICIHHLDPKSPGLNRERLYWELSQLTNGIKELGPYTLDRNSLYVNG}$	(SEQ	ID	NO:	234)
${\tt SEKDGAATGVDAICTHRLDPKSPGLDREQLYWELSQLTNGIKELGPYTLDRNSLYVNG}$	(SEQ	ID	NO:	235)
${\tt SEKDGAATGVDAICTHRLDPKSPGVDREQLYWELSQLTNGIKELGPYTLDRNSLYVNG}$	(SEQ	ID	NO:	236)
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${\tt SEKDGAATGVDAICTHHLNPQSPGLDREQLYWQLSQMTNGIKELGPYTLDRNSLYVNG}$	(SEQ	ID	NO:	238)
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${\tt PEKNGAATGMDAICSHRLDPKSPGLNREQLYWELSQLTHGIKELGPYTLDRNSLYVNG}$	(SEQ	ID	NO:	240)
${\tt PEKNGAATGMDAICSHRLDPKSPGLDREQLYWELSQLTHGIKELGPYTLDRNSLYVNG}$	(SEQ	ID	NO:	241)
${\tt PEKHGAATGVDAICTLRLDPTGPGLDRERLYWELSQLTNSVTELGPYTLDRDSLYVNG}$	(SEQ	ID	NO:	242)
${\tt PEKHGAATGVDAICTLRLDPTGPGLDRERLYWELSQLTNSITELGPYTLDRDSLYVNG}$	(SEQ	ID	NO:	243)
${\tt PEKHEAATGVDTICTHRVDPIGPGLDRERLYWELSQLTNSITELGPYTLDRDSLYVNG}$	(SEQ	ID	NO:	244)
${\tt PEKQEAATGVDTICTHRVDPIGPGLDRERLYWELSQLTNSITELGPYTLDRDSLYVNG}$	(SEQ	ID	NO:	245)
${\tt PEKQEAATGVDTICTHRVDPIGPGLDRERLYWELSQLTNSITELGPYTLDRDSLYVDG}$	(SEQ	ID	NO:	246)
${\tt PEKDKAATRVDAICTHHPDPQSPGLNREQLYWELSQLTHGITELGPYTLDRDSLYVDG}$	(SEQ	ID	NO:	247)
${\tt SVKNGAETRVDLLCTYLQPLSGPGLPIKQVFHELSQQTHGITRLGPYSLDKDSLYLNG}$	(SEQ	ID	NO:	248)
${\tt PEKDGAATGVDTTCTYHPDPVGPGLDIQQLYWELSQLTHGVTQLGFYVLDRDSLFING}$	(SEQ	ID	NO:	249)

123

Exon 5 Exon 4 136 124 135 156 (SEQ ID NO: 278) FTHRSSMPTTST (SEQ ID NO: 250) PGTSTVDVGTSGTPSSSPSPT PGTSTVDLRTSGTPSSLSSPTIM (SEQ ID NO: 279) FTHRSSMPTTSI (SEQ ID NO: 251) FTHRTSVPTSST (SEQ ID NO: 252) PGTSTVDLGTSGTPFSLPSPA (SEQ ID NO: 280) PGTSTVDLG.SGTPSSLPSPT (SEQ ID NO: 281) FTHRTSVPTTST (SEQ ID NO: 253) FTHRSSVPTTSS (SEQ ID NO: 254) PGTSTVDLG.SGTPSLPSSPT (SEQ ID NO: 282) PGTSTVDLGTSGTPSSLPSPT (SEQ ID NO: 283) FTHRSSVSTTST (SEQ ID NO: 255) FTHRSSVAPTST (SEQ ID NO: 256) PGTPTVDLGTSGTPVSKPGPS (SEQ ID NO: 284) FTHRSSGLTTST (SEQ ID NO: 257) PWTSTVDLGTSGTPSPVPSPT (SEQ ID NO: 285) FTHRSFGLTTST (SEQ ID NO: 258) PGTSTVYWATTGTPSSFPGHT (SEQ ID NO: 286) (SEQ ID NO: 287) FTHRSSFLTTST (SEQ ID NO: 259) PGTSTVHLATSGTPSSLPGHT (SEQ ID NO: 288) FTHRNFVPITST (SEQ ID NO: 260) PGTSTVHLATSGTPSPLPGHT FTHRSSVPTTSI (SEQ ID NO: 261) (SEQ ID NO: 289) PDTSTMHLATSRTPASLSGPT FTHQSSVSTTST (SEQ ID NO: 262) PGTSAVHLETSGTPASLPGHT (SEQ ID NO: 290) FTHQTSAPNTST (SEQ ID NO: 263) PGTSAVHLETTGTPSSFPGHT (SEQ ID NO: 291) FTHQTFAPNTST (SEQ ID NO: 264) PGTSTVHLGTSETPSSLPRPI (SEQ ID NO: 292) FTHQNSVPTTST (SEQ ID NO: 265) PGTSIVNLGTSGIPPSLPETT (SEQ ID NO: 293) FTHQSSMTTTRT (SEQ ID NO: 266) PGTFTVQPETSETPSSLPGPT (SEQ ID NO: 294) (SEQ ID NO: 295) FTHWIPVPTSST (SEQ ID NO: 267) PGTPTVDLGTSGTPVSKPGPS (SEQ ID NO: 296) FTHWSPIPTTST (SEQ ID NO: 268) PGTPTVYLGASKTPASIFGPS FTHWSSGLTTST (SEQ ID NO: 269) PKPATTFLPPLSEATT.... (SEQ ID NO: 297) FHPRSSVPTTST (SEQ ID NO: 270) QINFHIVNWNLSNPDPTSSEY (SEQ ID NO: 298) FNPRSSVPTTST (SEQ ID NO: 271) FNPWSSVPTTST (SEQ ID NO: 272) FTQRSSVPTTSI (SEQ ID NO: 273) FTQRSSVPTTST (SEQ ID NO: 274) FTQRSSVPTTSV (SEQ ID NO: 275) YNEPGLDEPPTT (SEQ ID NO: 276) YAPQNLSIRGEY (SEQ ID NO: 277)



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KRMETTTTAL	LTEMMITTPY	SLVSRSGAER	SELDTVSSTA	O LTKSPHETET	SAIPIMTV	OOO THPEAQTSSA	OO O TTVSLVTHPA	VSTEVPGVVT	AIPTPTVSPG	GTEAGSAVPT	O ATSHGAEASS	o o TPSMATSHGA	SSEPETTPSM	LTISSDEPET	SAFSNLTVAS	PAESSSTLPR	TSLVTSSGRD
SPKGLHTGGT KRMETTTTAL	X NASROMASTI	VLNRESETTA	O VSKTTPNFFH	O OO OO GTDTSTTFPT	PSIATSPGAE	GEPKTIASLV	ALTNSPGEPA	SSSAVPTPT	O O ATSHGEEASS	ETTPSMATSH	OO OO PGEPETTPSM	LILSPGELET	STIPILTLS	OOO O	SLVTSSGSET	PFTNISLVTH	O O TISPGIPGVL TSLVTSSGRD
	TPTLGTLTPL	OO OO STALPRITES	VIHPAETIPT VSKTTPNFFH	DALTPLVTIS	X NFSHHESDAT	MTIPTLTLSP	OOO LAAKTSTTNR	O OOO TPSMTTSHGA	PGEPETTPSM	PILTFSLGEP	STILPTLTLS	SGVNSTSIPT	PLVTSSRAVT	GMVTSLVTSS	VSPTVQGLVT	VPTLTVSTGE	EAESSSAIST
OOOO AAHRGTIRPV KGPQTSTSPA	SRATLTISVY	SLATSLGAET	SSEPDTTASW	IPTNISPSEL	OSSTIPRTIP	OO X	SRLVTSMVTS	SIFFHSKSDT	STIPILTLS	SSRAVTSTI	SLVASSRAVT	GVVTSLVTSS	EASSAVPTPT VSPGVSGVVT	AVLTVSPEVP	KMISAIPTLA	AHPGTEASSV	DIMPSTVISP
MEHITKIPNE	COOC KTTTTALKTT	VFPDVPETTS	SPVIQTLDVS	OTSHGADVSSA	RTTWLTHPAE	SPGAEDLVTS	OOO IPTSTISPAV	O O O O O O O O O O O O O O O O O O O	PLVTSSRAVI	VPGVVTSLVT	VLPEVPGMVT	O O O TVPTVSPEVP	EASSAVPTPT	OO ATSHGVEASS	OO TTSLVTHSEA	SQPETIDSWV	OTTSRFSHSEL
Н	51	101	151	201	251	301	351	401	451	501	551	601	651	701	751	801	851

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HSEPDTTPSI PTLTLSSGEP STTTFPTLT	ITSP	TIPP	SPRT	ALLS	LFTL	LETT	TSPS	MVEA	TSYN	FMVE	TXSC	IĞ I ÖE	$\stackrel{ m O}{PSPT}$
	VA	J. J.	ATO	Ľ	SSO								
TVPRITPNYS SGTDTSITI LTSLVISSGT	SHSKSDTTLP PPPTLSETPY	PGVDTRSGVP ASSATHPGTQ	HSSPDATPVM	TLTHSPGMPE	OO TSTALPTQTT	TMIPTSTLSL	DKPQTVTSWN	EGVSPTTILR	MSTLASESVT	oo ooo ↓ SSIPSSTAAT		ERLYWELSNL	STPGTSTVD VGTSGTPSSS
	TMVPRTTPKF VPSSGTDTST	SDTAPSMVTS PSPGEPETT	PVSRTTSSFS	SGAATSTTVP	ASLTIRPGAE	LSTHPGTETS	SGLSSASITT	MPTPPKTSHG	SLFTPLTTPG	OOO O OOO TSTESPEIST	x NATERELQGL	PDPEDLGLDR	SSTPGTSTVD
SPHESEATAS WYTHPAVTST DFPTITVSPD VPDMVTSQVT ETHTSSAIPT LPVSPGASKM	IQLIHPAETN PDMSDLVTSL	GTIPNFSHRG POPSTAIPTL	WYTHPPQTST	PEMVTSQITS	O CO CO LOCATION O COLOTA O CO	SPGVSAKTAP	TLTLTVSPAV	GTTMTLIPSE	TTTTFNTLAG	YWTPATSTPV	DMRHPGSRKF	MAVDAICTHR	TLDRNSLYVN GFTHRSSMPT
ISATFPTVPE ACSPGAEATS PTTTSFITYS	ETPYEPETTA SSAVSTTTIS	HPAETSTTVS VVTSOVTSSA	PSSEPDTMAS	AVLTTISPGA	O TETSKTFPAS	TSRVDLSPTA	O O O TESSATISTS	GPPEFSRTVT	OC CO TTGSSPTVAK	ISTTSSYNRR	FTITNLQYEE	SLRPEKDSSA	TLDRNSLYVN
901	.051	151	.251	.301	1351	401	1451	1501	1551	1601	1651	1701	1751

Stucture of Carboxy Terminal Domain

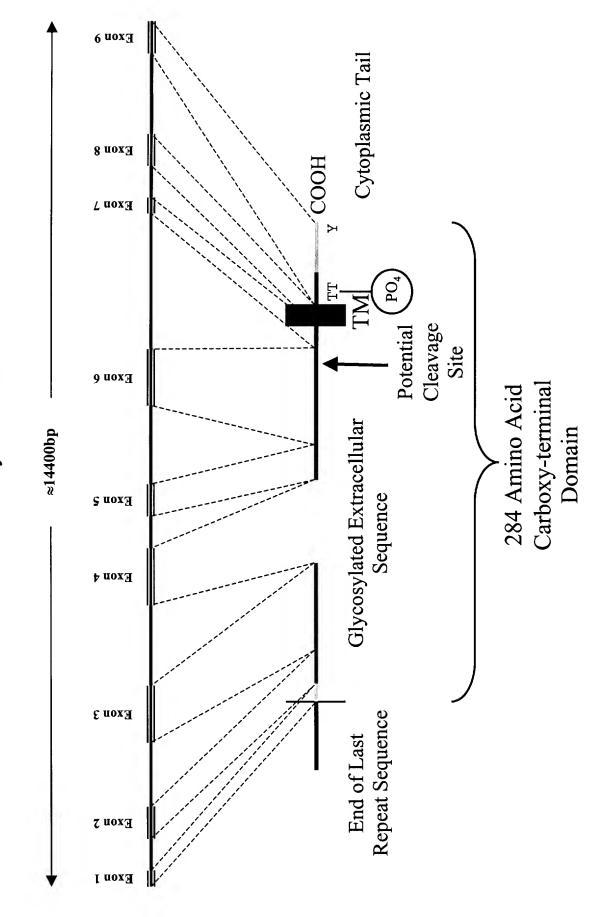


Figure 9A

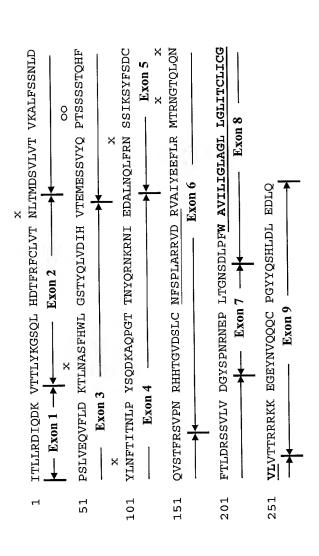


Figure 9B (SEQ ID NO: 300)

Proposed Structure of CA125

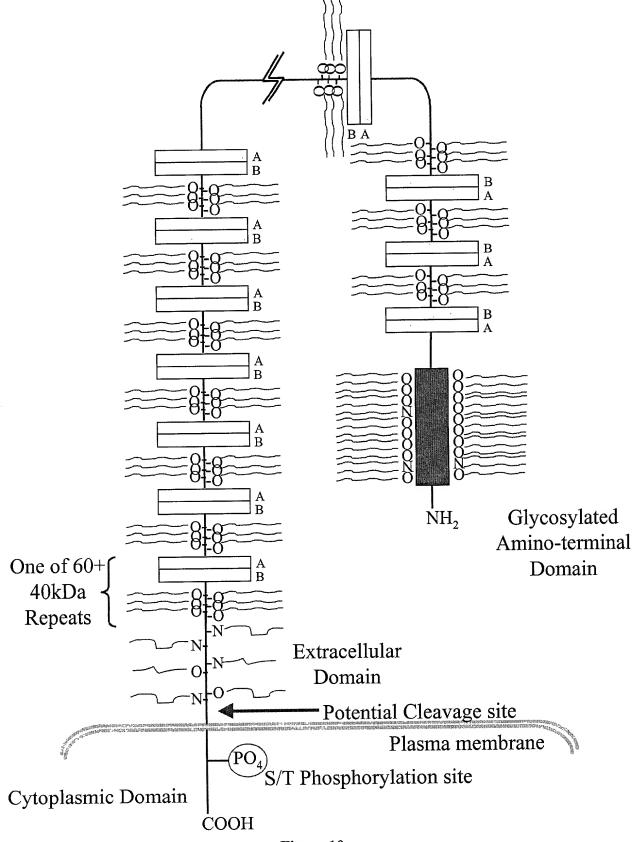


Figure 10